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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

<b>TRANSMITTAL FORM</b> <i>(to be used for all correspondence after initial filing)</i>	<b>Application Number</b>	10/705,717	
	<b>Filing Date</b>	November 10, 2003	
	<b>First Named Inventor</b>	Tracy W. Nelson	
	<b>Group Art Unit</b>	1725	
	<b>Examiner Name</b>	Kiley Shawn Stoner	
<b>Total Number of Pages in This Submission (including this sheet)</b>		<b>Attorney Docket No.</b>	1219.BYU.CN2

ENCLOSURES (check all that apply)		
<input checked="" type="checkbox"/> Amendment / Response <ul style="list-style-type: none"><li><input type="checkbox"/> After Final</li><li><input type="checkbox"/> Affidavits/declaration(s)</li></ul> <input type="checkbox"/> Appeal Communication: <ul style="list-style-type: none"><li><input type="checkbox"/> Appeal Notice</li><li><input type="checkbox"/> Appeal Brief</li><li><input type="checkbox"/> Reply Brief</li></ul> <input type="checkbox"/> Assignment with Cover Sheet	<input type="checkbox"/> Extension of Time Request _____ month <ul style="list-style-type: none"><li><input type="checkbox"/> Fee Calculation Table</li><li><input type="checkbox"/> Information Disclosure Statement<ul style="list-style-type: none"><li><input type="checkbox"/> Form 1449</li><li><input type="checkbox"/> Copies of IDS References</li></ul></li><li><input type="checkbox"/> Issue Fee Transmittal &amp; Advance Order</li></ul>	<input type="checkbox"/> Maintenance Fee Transmittal _____ year <ul style="list-style-type: none"><li><input type="checkbox"/> Missing Parts Response</li><li><input type="checkbox"/> Notification of Change of Attorney Address &amp; Docket Number</li><li><input checked="" type="checkbox"/> Return Postcard</li><li><input type="checkbox"/> Revocation &amp; Power of Attorney</li><li><input type="checkbox"/> Status Inquiry</li><li><input type="checkbox"/> Other:</li></ul>
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<input type="checkbox"/> Check in the amount of \$__		
<input type="checkbox"/> Credit card authorization in the amount of \$__		
<input type="checkbox"/> Declaration & Power of Attorney		
<input type="checkbox"/> Drawings __ sheets <ul style="list-style-type: none"><li><input type="checkbox"/> Formal    <input type="checkbox"/> Informal</li></ul>		
<b>Remarks</b>		

SIGNATURE OF APPLICANT, ATTORNEY OR AGENT			
<b>Attorney for Applicant</b>		David W. O'Bryant, Registration No. 39,793 MORRISS O'BRYANT COMPAGNI, P.C. 136 South Main Street, Suite 700 Salt Lake City, Utah 84101 (801) 478-0071 telephone; (801) 478-0076 facsimile	
<b>Signature</b>		<b>Date</b>	7/19/05

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<b>Signature</b>		<b>Date</b>	7/19/05



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Tracy W. Nelson  
SERIAL NO.: 10/705,717  
FILING DATE: 11/10/2003  
TITLE: FRICTION STIR WELDING OF  
METAL MATRIX COMPOSITES,  
FERROUS ALLOYS, NON-  
FERROUS ALLOYS, AND  
SUPERALLOYS USING A  
SUPERABRASIVE TOOL  
ART UNIT: 1725  
EXAMINER: Stoner, Kiley Shawn  
DOCKET NO.: 1219.BYU.CN2

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David W. O'Bryant

July 19, 2005  
Date of Deposit

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AMENDMENT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

INTRODUCTORY COMMENTS

In response to the Office Actions mailed January 14, 2005, and June 29, 2005,  
Applicant offers the following Amendment and requests consideration and examination  
of the above-captioned application.

- This paper includes the following sections:
- Amendments to the Claims begin on page 2 of this paper; and
- Remarks begin on page 31 of this paper